



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2002

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	
<u>KANSAS, Southeast</u>								
Reno County Plevna	01	1630CST			0	0		Hail(1.00)
Russell County 6 N Russell	11	2212CST			0	0		Hail(0.75)
Russell County 1 N Luray	11	2235CST			0	0		Hail(0.75)
Barton County 9 NW Great Bend	11	2258CST			0	0		Hail(0.75)
Barton County 1 NE Great Bend	11	2305CST			0	0	15K	Thunderstorm Wind (G52)
Approximately 15 power poles downed.								
Lincoln County Ash Grove	11	2315CST			0	0		Thunderstorm Wind (G52)
Ellsworth County Lorraine	12	0535CST			0	0		Hail(1.00)
Lincoln County Lincoln	12	1735CST			0	0	100K	Hail(1.75)
Widespread damage to homes and vehicles.								
Lincoln County 5 E Lincoln	12	1745CST			0	0		Hail(2.00)
Lincoln County 7 NE Lincoln	12	1747CST			0	0		Hail(1.00)
Rice County 5 W Chase	12	1750CST			0	0		Hail(0.88)
Lincoln County 16 NE Lincoln	12	1800CST			0	0		Hail(1.00)
Lincoln County 6 SE Barnard	12	1805CST			0	0		Hail(0.75)
Rice County 4 W Lyons	12	1829CST			0	0		Hail(0.75)
Ellsworth County Holyrood	12	1900CST			0	0		Hail(0.88)
Barton County Ellinwood	12	1940CST			0	0		Hail(1.75)
Barton County Ellinwood	12	1940CST			0	0	75K	Thunderstorm Wind (G61)
Shed damaged, one house damaged (unspecified), windmill twisted, and door blown off a barn. In addition, power lines downed on west side of town with trees downed in various locations.								
Rice County Lyons	12	1944CST			0	0		Thunderstorm Wind (G56) ^M
Lyons weather lab.								
Rice County Lyons	12	2007CST			0	0	250K	Thunderstorm Wind (G56)
Monetary breakdown on farm losses: Dwellings and service buildings= \$150,000; Structures (i.e. silos) =\$50,000; Machinery=\$25,000. Total acreage affected: 500,000. USDA Flash Situation Report contributed greatly to this narrative. In addition, power lines downed in many locations.								



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<u>KANSAS, Southeast</u>							
Reno County Nickerson	12	2017CST			0 0	50K	Thunderstorm Wind (G70) Widespread tree and power line damage. Power outages town-wide. See 2028 CST entry for summary of the most significant damage.
Reno County Nickerson	12	2020CST			0 0	25K	Thunderstorm Wind (G70) Trees and power lines downed.
Rice County Lyons	12	2022CST			0 0		Thunderstorm Wind (G52) See 2030 CST entry for damage summary.
Reno County Nickerson	12	2028CST			0 0	1M	Thunderstorm Wind (G87) Speeds ranged from 70-87kts, inflicting widespread tree and power line damage. The following were destroyed: One single-family home, three mobile homes, and a shed that was scattered amongst a grove of trees. The following sustained major damage: Two single-family homes and three mobile homes. Approximately 50 other structures sustained minor damage. A 40-foot tree, splintered at the base, fell onto the bumper of one vehicle. A state of disaster emergency was declared by Governor Graves. Area newspapers contributed greatly to this report.
Reno County 18 W Hutchinson	12	2030CST			0 0		Thunderstorm Wind (G56) Limbs downed.
Rice County Lyons	12	2030CST			0 0	250K	Thunderstorm Wind (G56) Metal facade covering 2nd floor of building located on east side of town square demolished. Gas meter crushed when limb fell onto it allowing natural gas to escape. Awning of car wash damaged. In addition, many vehicles blown off roads, including a sheriff's patrol car. Approximately 3,700 residents were without power. Tree damage was widespread, the most noteworthy being the uprooting of an elm with a 30-inch base that nearly landed on a motel situated on the east side of town. Area newspapers contributed greatly to this report.
Rice County Lyons	12	2030CST			0 0	10K	Thunderstorm Wind (G56) Back porch destroyed when large branch of locust tree fell onto it.
Rice County Sterling	12	2030CST			0 0	100K	Thunderstorm Wind (G78) Fire department vehicle (apparently a squad car) blown into ditch. Power lines and power poles downed, including one with transformer resulting in widespread power outages. The high winds teamed with torrential rains to cause roof damage at Sterling High School that resulted in the flooding of the library and one classroom. The town's medical facility sustained damage to one area of roofing (areal extent unspecified) that leaked profusely.
Reno County Plevna	12	2049CST			0 0		Thunderstorm Wind (G61)
Reno County 1 S Hutchinson	12	2100CST			0 0	1M	Thunderstorm Wind (G65)



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KANSAS, Southeast

Occurred at intersection of Highway 50/K-96. Nearby, 26 empty Union Pacific freight cars, of which 24 were covered hoppers and two were auto-carriers, were blown off a siding. Two mobile homes were destroyed. Three single-family homes (of which one was unroofed) and three mobile homes sustained major damage. Downed power lines and power poles severed power to 7,315 residents, of which 1,215 were without power the following morning. Approximately 25 structures received minor damage. A state of disaster emergency was declared by Governor Graves. Area newspapers contributed greatly to this report

Reno County							
10 S Hutchinson	12	2115CST			0	0	Thunderstorm Wind (G52)
Reno County							
2 SE Hutchinson	12	2135CST			0	0	Thunderstorm Wind (G61)
Occurred at intersection of Highway 50 & Yoder Rd.							
Reno County							
Yoder	12	2136CST			0	0	Thunderstorm Wind (G70)
Sedgwick County							
Mt Hope	12	2139CST			0	0	Thunderstorm Wind (G52)
Sedgwick County							
Mt Hope	12	2143CST			0	0	Thunderstorm Wind (G61)
Kingman County							
Varner	12	2144CST			0	0	Thunderstorm Wind (G56)
Trees downed.							
Sedgwick County							
Mt Hope	12	2144CST			0	0	Hail(0.88)
Sedgwick County							
Mt Hope	12	2144CST			0	0	Thunderstorm Wind (G52)
Sedgwick County							
Goddard	12	2150CST			0	0	Thunderstorm Wind (G52)
Sedgwick County							
4 S Colwich	12	2155CST			0	0	Thunderstorm Wind (G61)
Sedgwick County							
1 W Viola	12	2158CST			0	0	Thunderstorm Wind (G52)
Reno County							
Pretty Prairie	12	2200CST			0	0	30K Lightning
Resultant fire damaged roof and attic.							
Sedgwick County							
Bentley	12	2202CST			0	0	Hail(0.75)
Sedgwick County							
Bentley	12	2202CST			0	0	Thunderstorm Wind (G61)
Sedgwick County							
Maize	12	2205CST			0	0	Thunderstorm Wind (G56)
Occurred at intersection Maize Rd. & K-96.							
Sedgwick County							
Colwich	12	2211CST			0	0	Thunderstorm Wind (G61)
Six inch diameter limbs downed.							
Sedgwick County							
Goddard	12	2212CST			0	0	Thunderstorm Wind (G65)
Sedgwick County							
9 W Wichita	12	2213CST			0	0	Thunderstorm Wind (G61)



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<u>KANSAS, Southeast</u>									
Occurred at intersection of 167th St. W & 21st St. N.									
Sedgwick County 8 W Wichita	12	2215CST			0	0			Thunderstorm Wind (G70)
Occurred at intersection of 135th St. W & 21st N.									
Sedgwick County Wichita	12	2226CST			0	0	100K		Thunderstorm Wind (G56)
Occurred at intersection of Woodlawn & K-96. Downed power lines severed power to approximately 14,500 residences. Area newspapers contributed to this report.									
Sumner County 7 W Wellington	12	2227CST			0	0			Hail(1.00)
Occurred at Wellington Lake.									
Sedgwick County Wichita	12	2233CST			0	0	25K		Lightning
House caught fire. No details provided.									
Sedgwick County Wichita	12	2233CST			0	0	5K		Thunderstorm Wind (G56)
Large tree fell onto car.									
Butler County Benton	12	2243CST			0	0			Thunderstorm Wind (G52)
Ellsworth County Holyrood	12	2254CST			0	0			Hail(0.88)
Butler County 4 E Potwin	12	2258CST			0	0			Thunderstorm Wind (G56)
Cowley County Udall to Burden	12	2300CST			0	0	25K		Lightning
Power poles equipped with transformers were struck, causing sporadic power outages across the northern half of the county.									
Ellsworth County Holyrood	12	2300CST			0	0			Hail(0.88)
Rice County Southeast Portion	12 13	2335CST 1100CST			0	0	500K		Flash Flood
Widespread rainfalls from 3-9 inches, with the greater amounts occurring across central and eastern Rice County, caused major flash flooding resulting in damage to milo, corn, soybeans and alfalfa. Erosion and gulying was most pronounced in central Rice County, but led to the barricading of the following roads: 22nd Road between Avenues W & Y, Avenue V from 20th to 21st Roads, Avenue J between 14th & 15th Roads, Avenue N & 8th Road intersection, Avenue F between 9th & 10th Roads, and 20th Road between Avenues Q & V, and Avenue T between 14th and 18th Roads. Area newspapers and the USDA Flash Situation Report contributed greatly to this narrative.									
Reno County Nickerson to Hutchinson	13	0100CST 1400CST			0	0	500K		Flash Flood



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					Killed	Injured	Property	Crops	

KANSAS, Southeast

Nickerson completely flooded and inaccessible, with water levels reaching the windows of many vehicles. In South Hutchinson, a 17-year old drove his sport utility vehicle into the city's storm overflow drainage pond where it later submerged. The S.U.V., a 1994 Mazda Navajo worth \$6,000, was a total loss. In addition, flooding, though of a lesser magnitude, was reported throughout the county. No dollar estimate available regarding crop losses, however total acreage affected was 250,000. In Hutchinson, the Cow Creek overflowed, resulting in the closures of the following roads and streets: Pennington Road from 5th Avenue north to 82nd Avenue, 43rd Avenue from Pennington Road east 1 block to Hendricks Road, 50th Avenue from Wilson Road east 1 block to Pennington Road, 56th Avenue from Wilson Road east half a block toward Pennington Road, 69th Avenue from Wilson Road east 2 blocks to Hendricks Road, and Wilson Road from 69th Avenue north to 82nd Avenue. USDA Flash Situation Report and area newspapers contributed greatly to this narrative.

Russell County									
Russell	18	2129CST			0	0			Thunderstorm Wind (G53)^M
		KRSL radio.							
Russell County									
5 SE Luray	18	2145CST			0	0			Thunderstorm Wind (G53)^M
		Luray/Lucus weather lab.							
Labette County									
4 N Chetopa	23	0340CST			0	0			Thunderstorm Wind (G56)
		Downed trees blocked Highway 59 between Chetopa and Oswego.							
Montgomery County									
2 E Sycamore	23	0435CST			0	0			Hail(0.75)
Chautauqua County									
1 E Hale	23	0537CST			0	0			Hail(1.00)
Montgomery County									
Caney	23	0604CST			0	0			Hail(1.75)
Barton County									
Pawnee Rock	24	0115CST			0	0			Thunderstorm Wind (G56)
Reno County									
3 NW Plevna	24	0233CST			0	0			Thunderstorm Wind (G52)
Sedgwick County									
2 SW Maize	24	0400CST			0	0			Thunderstorm Wind (G52)
		Several limbs downed.							